



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
7B3, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet BASE STATION SIMULATOR	
Solicitation No. - N° de l'invitation U4030-175171/A	Date 2016-12-07
Client Reference No. - N° de référence du client U4030-175171	
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-445-72050	
File No. - N° de dossier hn445.U4030-175171	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-01-19	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Ladouceur, Joanne M.	Buyer Id - Id de l'acheteur hn445
Telephone No. - N° de téléphone (819) 420-0340 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Innovation, Science and Economic Development Canada Certification & Engineering Bureau 3701 CARLING AVE BLDG 94 Attn:Joshua Laviolette 613-990-2681 joshua.laviolette@canada.ca OTTAWA Ontario K2H8S2 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	2
1.1 SECURITY REQUIREMENTS	2
1.2 REQUIREMENT	2
1.3 DEBRIEFINGS	2
1.4 TRADE AGREEMENTS	2
PART 2 - BIDDER INSTRUCTIONS	3
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	3
2.2 SUBMISSION OF BIDS	3
2.3 ENQUIRIES - BID SOLICITATION	3
2.4 APPLICABLE LAWS	4
PART 3 - BID PREPARATION INSTRUCTIONS.....	4
3.1 BID PREPARATION INSTRUCTIONS	4
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	5
4.1 EVALUATION PROCEDURES	5
4.2 BASIS OF SELECTION	5
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	6
5.1 CERTIFICATIONS REQUIRED WITH THE BID.....	6
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	6
PART 6 - RESULTING CONTRACT CLAUSES.....	7
6.1 SECURITY REQUIREMENTS	7
6.2 REQUIREMENT	8
6.3 STANDARD CLAUSES AND CONDITIONS	8
6.4 TERM OF CONTRACT	8
6.5 AUTHORITIES	8
6.6 PAYMENT	9
6.7 INVOICING INSTRUCTIONS	10
6.8 CERTIFICATIONS.....	10
6.9 APPLICABLE LAWS	10
6.10 PRIORITY OF DOCUMENTS	10
6.11 <i>SACC MANUAL CLAUSES (DELIVERY)</i>	11
 ANNEX “A” STATEMENT OF WORK	 12
ANNEX "B" PRICING SCHEDULE	18
ANNEX “C” MANDATORY REQUIREMENT COMPLIANCE MATRIX	19

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with the requirement.

1.2 Requirement

The contractor will be required to provide the goods in accordance with the technical requirements stated herein at Annex A.

1.2.1 Delivery Requirement

Delivery **MUST** to be completed by **March 30, 2017**.

1.2.2 Contractor Contacts

Name and telephone number of the person responsible for:

General enquiries

Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

Delivery follow-up

Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

You are reminded that this solicitation requires the compliance and/or completion of requirements attached as an Annex and forming part of this document.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 90 days

2.1.1 SACC Manual Clauses

SACC Reference	Section	Date
A9033T	Financial Capability	2012-07-16
B1000T	Condition of Material	2014-06-26

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) **BID RECEIVING UNIT** by the date, time and place indicated on page 1 of the bid solicitation. Do not send proposal directly to the Contracting Officer. Submissions by email are not accepted.

PWGSC Bids Receiving Unit

11 Laurier Street

Place du Portage, Phase III, Core 0B2

Gatineau, Quebec J8X 4A6

Tel.: 819-956-3370

Fax: 819-997-9776

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.2.1 Technical Documentation

TECHNICAL/DESCRIPTIVE LITERATURE FOR PRODUCTS PROPOSED MUST BE SUBMITTED AS PART OF THE BID PACKAGE PRIOR TO THE BID CLOSING DATE. FAILURE TO COMPLY WILL RENDER YOUR BID NON RESPONSIVE.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked

"proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copies)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders must explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

Pricing Basis

The bidder must quote firm lot prices in Canadian dollars, DDP Delivered Duty Paid (Ottawa, Ontario), the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria specified below.

Evaluation Criteria

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The following **Mandatory** requirements must be submitted with the bid for evaluation

- Technical compliance (description of items in Annex A herein);
- Acceptance of terms and conditions as mentioned in the bid solicitation;
- Delivery **MUST** be completed by March 30, 2017.
- Completion of the proposal.

4.1.2 Financial Evaluation

The following **Mandatory** factors will be taken into consideration in the evaluation of each bid:

- Compliance with Pricing Basis.

The Bid price will be determined by processing items at Annex B as follows:

- Sum of all items total price.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price on an aggregate basis will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](#), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

5.2.2 General Environmental Criteria Certification

By submitting the bid, the bidder certifies that the information submitted in the General Environmental Criteria table found at Table 1 is accurate and complete.

By submitting the bid the Bidder certifies that it meets, and will continue to meet throughout the duration of any resulting contract, a minimum of four out of seven requirements identified in the General Environmental Criteria Table found at Table 1;

Additional Information

The Bidder must complete Table 1 by inserting a checkmark next to every criteria that are met. Bidders are requested to submit Table 1 with their bid. As this is a new procedure, Canada reserves the right to request Table 1 after bid closing. The Contracting Authority will inform the Bidder of a time frame within which to provide it. Failure to provide Table 1 within the required time frame will render the bid non-responsive.

The Contractor must meet and continue to meet four out of seven criterions during the entire duration of the contract.

Green practices within supplier's organization:	Insert a checkmark for each criteria that is met
Promotes a paperless environment through directives, procedures and/or programs.	
All documents are printed double sided and in black and white for day to day business activity unless otherwise specified by your client.	
Paper used for day to day business activity has a minimum of 30% recycled content and has a sustainable forestry management certification.	
Utilizes environmentally preferable inks and purchase remanufactured ink cartridges or ink cartridges that can be returned to the manufacturer for reuse and recycling for day to day business activity.	
Recycling bins for paper, newsprint, plastic and aluminum containers available and emptied regularly in accordance with local recycling program.	
A minimum of 50% of office equipment has an energy efficient certification.	
Registered to ISO 14001 or has an equivalent environmental management system in place	

5.2.3 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to this Contract.

6.2 Requirement

The contractor will be required to provide the goods in accordance with the technical requirements stated herein at Annex A.

6.2.1 SACC Manual Clauses

SACC Reference	Section	Date
B1501C	Electrical Equipment	2006-06-16
B7500C	Excess Goods	2006-06-16

6.2.2 Options

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex B of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, in whole or in part, through a contract amendment.

The Contracting Authority may exercise the option within one (1) year after contract award by sending a written notice to the Contractor.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010A](#) (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before _____ (Delivery as offered and as accepted will be inserted at contract award).

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Joanne Ladouceur (M)
Public Works and Government Services Canada - Acquisitions Branch
Logistics, Electrical, Fuel and Transportation Directorate - "HN" Division
7B3, Place du Portage, Phase III, 11 Laurier Street, Gatineau, QC, K1A 0S5

Telephone: (819) 420-0340
E-mail address: joanne.m.ladouceur@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority; however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

Name and telephone number of the person responsible for:

General enquiries

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

Delivery follow-up

Name: _____
Telephone: _____
Facsimile: _____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm lot prices, as specified in the contract (Annex B). Customs duties are included and Applicable Taxes are extra.

6.6.2 Limitation of Price

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.3 Multiple Payments

SACC Manual clause [H1001C](#) (2008-05-12) Multiple Payments

6.6.4 SACC Manual Clauses

SACC Reference	Section	Date
G1005C	Insurance	2016-01-28

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the following address for certification and payment.

Innovation, Science and Economic Development Canada
Certification & Engineering Bureau
3701 Carling Ave., BLDG. 94
Ottawa, ON, K2H 8S2

- (a) One (1) copy must be forwarded to the following address.

Department of Public Works and Government Services
"HN" Division, 7B3 Place du Portage, Phase III
11 Laurier Street,
Gatineau, QC, K1A 0S5
Attention: Joanne Ladouceur (M)

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) [2010A](#) (2016-04-04), General Conditions - Goods (Medium Complexity);
- (d) Annex A, Statement of Work;
- (e) Annex B, Pricing Schedule;
- (f) Annex C, Mandatory Requirement Compliance Matrix;
- (g) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: “, as clarified on _____” or “, as amended on _____” and insert date(s) of clarification(s) or amendment(s)*)

6.11 SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
B1505C	Shipment of Hazardous Materials	2016-01-28
D9002C	Incomplete Assemblies	2007-11-30

6.11.1 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) (Ottawa, Ontario) Inco terms 2000 for shipments from a commercial contractor.

ANNEX "A"

STATEMENT OF WORK

1. **General Requirement Preamble**

The Certification & Engineering Bureau (CEB) requires a Base Station Simulator in order to carry out regulatory compliance testing, standards development activities as well as measurement studies.

2. **Equipment Specification Requirements:**

A turnkey Base Station Simulator is a "ready for use" system that emulates the communication characteristics of a cellular telephone base station for select technologies. The system must be capable of communicating in a "loopback", "network" or "signalling" condition that supports a stable communication link between the base station simulator and wireless communications devices.

The specification requirement is for hardware and software that are compatible with other complementary existing laboratory equipment and that will allow base station network simulation and measurements between the Base Station Simulator and a device under test (DUT) for Long Term Evolution (LTE) Releases 8, 10 and 11 in Frequency Division Duplexing (FDD) and for select legacy technologies such as the Global System for Mobile Communications (GSM), the 3rd Generation Partnership Project (3GPP) General Packet Radio Service (GPRS), Enhanced Data rates for Global Evolution (EDGE), Wideband Code Division Multiple Access (WCDMA) Release 99, High Speed Packet data Access (HSPA) Release 5/6, HSPA+ Release 7, DC-HSDPA Release 8 and DC-HSUPA Release 9.

3. **Mandatory Requirements**

3.1 **General Hardware Specifications**

3.1.1 *Generator and Analyzer Frequency Range*

Specification requirement:

- The minimum frequency range shall be from 300 MHz to 6 GHz.

3.1.2 *Generator Specifications*

3.1.2.1 *Maximum RF Output Power*

Specification requirement:

- The maximum RF output power over the frequency range of the system shall be greater than or equal to 0 dBm.

3.1.2.2 *Level Accuracy*

Specification requirement:

- The generator level accuracy over the entire frequency range of the system shall not exceed ± 2.5 dB.

3.1.2.3 *Amplitude Resolution*

Specification requirement:

- The amplitude resolution over the entire frequency range of the system shall not exceed 0.1 dB.

3.1.2.4 Frequency Resolution

Specification requirement:

- The frequency resolution over the entire frequency range of the system shall not exceed 100 kHz.

3.1.3 Analyzer Specifications:

3.1.3.1 Maximum RF Input Power

Specification requirement:

- The maximum RF input power over the entire frequency range of the system shall be greater than or equal to 25 dBm.

3.1.3.2 Level Accuracy

Specification requirement:

- The analyzer level accuracy over the entire frequency range of the system shall not exceed ± 1.5 dB.

3.1.3.3 Amplitude Resolution

Specification requirement:

- The amplitude resolution over the entire frequency range of the system shall not exceed 0.1 dB.

3.1.3.4 Frequency Resolution

Specification requirement:

- The frequency resolution over the entire frequency range of the system shall not exceed 100 kHz.

3.2 Environmental Requirements:

Specification requirement:

- The manufacturer's minimum operating temperature range shall be between a minimum of 10 degrees Celsius to a maximum of 35 degrees Celsius.
- The maximum operating humidity shall be equal to or higher than 70%.

3.3 Connection Requirements:

Specification requirement:

- The RF test port connector shall be either an N-type connector or an SMA connector.
- The impedance of the RF test port connector shall be 50 ohms.
- The equipment shall have a Voltage Standing Wave Ratio (VSWR) specification no greater than 2.0 over the entire frequency range of the system
- The AC power input connection shall be 120Vac, 60 Hz
- The equipment shall be equipped with an Ethernet (LAN) interface port for remote automation capability and at least one USB port.

3.4 User Interface:

Specification requirement:

- The base station simulator system shall include a user interface embedded in the equipment. The user interface shall be a visual screen display with either tactile user controls embedded in the system or a touch screen embedded in the system.

3.5 Test Subscriber Identity Module (SIM) Card

3.5.1 *Micro/Mini Size Test Subscriber Identity Module (SIM) Card*

Specification requirement:

- A Mini or Micro size test SIM card which is designed to be inserted in a Device Under Test (DUT) to be used with the base station simulator for signalling communications in supported wireless technologies. The hardware must be an OEM product and can't be substituted.

3.5.2 *Nano Size Test Subscriber Identity Module (SIM) Card*

Specification requirement:

- A nano size test SIM card which is designed to be inserted in a DUT to be used with the base station simulator for signalling communications in supported wireless technologies. The hardware must be an OEM product and can't be substituted.

3.6 Legacy Wireless Technology Specifications

3.6.1 *GSM / GPRS and EDGE Specifications*

Specification requirement:

- The base station simulator shall be capable of loopback testing in GSM, GPRS and EDGE technologies.
- The base station simulator shall contain all necessary hardware for testing in GSM, GPRS and EDGE technologies.
- The base station simulator shall contain all necessary software for measuring basic functionality which includes, as a minimum DUT transmit power in GSM, GPRS and EDGE technologies.

3.6.2 *WCDMA / HSPA / HSPA+ Specifications*

Specification requirement:

- The base station simulator shall be capable of loopback testing in 3GPP WCDMA Release 99, Release 5 (HSDPA), Release 6 (HSUPA), Release 7 (HSPA+), Release 8 (DC-HSDPA) and Release 9 (DC-HSUPA) technologies.
- The base station simulator shall contain all necessary hardware for testing in 3GPP WCDMA Release 99, Release 5 (HSDPA), Release 6 (HSUPA), Release 7 (HSPA+), Release 8 (DC-HSDPA) and Release 9 (DC-HSUPA) technologies.
- The base station simulator shall contain all necessary software for measuring basic functionality which includes, as a minimum DUT transmit power in 3GPP WCDMA Release 99, Release 5 (HSDPA), Release 6 (HSUPA), Release 7 (HSPA+), Release 8 (DC-HSDPA) and Release 9 (DC-HSUPA) technologies.

3.7 LTE Specifications

3.7.1 *LTE Release 8 FDD*

Specification requirement:

- The LTE portion of the base station simulator system shall be capable of LTE Release 8 Frequency Division Duplexing (FDD) in loopback, signalling or network conditions.
- The LTE portion of the base station simulator system shall contain all hardware required for LTE Release 8 Frequency Division Duplexing (FDD) in loopback, signalling or network conditions.
- The LTE portion of the base station simulator system shall contain all software for measurement of conditions which includes, as a minimum DUT transmit power for LTE Release 8 Frequency Division Duplexing (FDD) in loopback, signalling or network conditions.

3.7.2 LTE Release 10 FDD

Specification requirement:

- The LTE portion of the base station simulator system shall be capable of LTE Release 10 Carrier Aggregation (CA) in loopback, signalling or network conditions.
- The LTE portion of the base station simulator system shall contain all hardware required for LTE Release 10 Carrier Aggregation (CA) in loopback, signalling or network conditions.
- The LTE portion of the base station simulator system shall contain all software required for measuring conditions which includes, as a minimum DUT transmit power for LTE Release 10 Carrier Aggregation (CA) in loopback, signalling or network conditions.

3.7.3 LTE Release 11 FDD

Specification requirement:

- The LTE portion of the base station simulator system shall be capable of LTE Release 11 Carrier Aggregation (CA) in loopback, signalling or network conditions.
- The LTE portion of the base station simulator system shall contain all hardware required for LTE Release 11 Carrier Aggregation (CA) in loopback, signalling or network conditions.
- The LTE portion of the base station simulator system shall contain all software required for measuring conditions which includes, as a minimum DUT transmit power for LTE Release 11 Carrier Aggregation (CA) in loopback, signalling or network conditions.

3.7.4 LTE Bands

Specification requirement:

- The LTE portion of the base station simulator system shall be capable of testing at a minimum Bands 2, 4, 5, 7, 12, 13, 14, 17, 25 and 66. Bandwidths available for testing based on allowed band options shall include 1.4, 3, 5, 10, 15 and 20 MHz.

3.7.5 LTE Standard Compliance

Specification requirement:

- The LTE portion of the base station simulator system shall at a minimum be capable of communications with DUTs conforming to the 3GPP standard TS 36.521 Release 8, Release 10 and Release 11. Compatibility with more recent releases of the aforementioned standard, if any at time of procurement, shall be considered an asset.

3.7.6 Technology, Modulation and Resource Block (RB) Configuration

Specification requirement:

- The LTE portion of the base station simulator system shall be capable of providing all necessary configuration options to the end user for modulations which includes, as a minimum QPSK, 16QAM, 64-QAM and necessary 1, 50% and 100% Resource Block (RB) allocations. As a minimum, the following reference document shall be used to determine the required settings: the most recent version of the Federal Communications Commission (FCC) Knowledge Database (KDB) 941225 D05 SAR¹ for LTE Devices (current version v02r05) "SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES" sections 4.1, 5.1 and 5.2 or equivalent in the event the KDB is updated.

¹[https://apps.fcc.gov/kdb/GetAttachment.html?id=UwAisBc6g1VZZa0FASxWew%3D%3D&desc=941225 D05 SAR for LTE Devices v02r05&tracking_number=26930](https://apps.fcc.gov/kdb/GetAttachment.html?id=UwAisBc6g1VZZa0FASxWew%3D%3D&desc=941225%20D05%20SAR%20for%20LTE%20Devices%20v02r05&tracking_number=26930)

3.7.7 LTE Single In Single Out (SISO):

Specification requirement:

- The base station simulator shall be capable of performing stable SISO loopback communications in all applicable LTE modes.
- The base station simulator shall contain all hardware required for performing stable SISO loopback communications in all applicable LTE modes.
- The base station simulator shall contain all software required for measurements of basic tests which includes, as a minimum DUT transmit power in stable SISO loopback communications in all applicable LTE modes.

3.7.8 Multiple In Multiple Out (MIMO):

Specification requirement:

- The base station simulator shall be capable of performing stable MIMO loopback communications for LTE. The minimum requirement shall be MIMO communications in a 2x2 configuration for LTE in Frequency Division Duplexing (FDD) mode. All supporting software to ensure MIMO 2x2 functionality in a signalling, network or loopback condition shall be included with the system.
- The base station simulator shall contain all hardware required for performing stable MIMO loopback communications in all applicable LTE modes.
- The base station simulator shall contain all software required for measurements of basic tests which includes, as a minimum DUT transmit power in stable MIMO loopback communications in all applicable LTE modes.

3.7.9 LTE-U Capability

Specification requirement:

- The base station simulator shall be capable of performing stable loopback communications for Unlicensed LTE (LTE-U) at the required frequency bands.
- The base station simulator shall contain all hardware required for performing stable LTE-U loopback communications in all applicable LTE modes.
- The base station simulator shall contain all software required for measurements of basic tests which includes, as a minimum DUT transmit power in stable LTE-U loopback communications in all applicable LTE modes.

3.7.10 LTE Data-specific Specifications

Specification requirement:

- The base station simulator shall be capable of performing stable data-specific LTE testing at the required frequency bands.
- The base station simulator shall contain all hardware required for performing stable LTE data-specific testing in all applicable LTE modes.
- The base station simulator shall contain all software required for maintaining LTE data-specific testing in all applicable LTE modes. LTE data-specific measurement software is not required, but will be considered an asset.

3.8 Software Specifications:

3.8.1 Software License

Specification requirement:

- Any software shall not require a yearly software licensing fee.

3.9 Interoperability Specifications

3.9.1 Interoperability with SPEAG cDASY6

Specification requirement:

- The base station simulator shall be interoperable with the SPEAG cDASY6 software used by the CEB's SPEAG DASY SAR system.

3.9.2 Interoperability with SPEAG cSAR3d

Specification requirement:

- The base station simulator shall be interoperable with the SPEAG cSAR3d software used by the CEB's SPEAG cSAR3d fast SAR system.

3.10 General Specifications:

3.10.1 Quality and Service

Specification requirement:

- The manufacturer of the Base Station Simulator shall have at least 10 years' experience manufacturing electronic test equipment.
- The Base Station Simulator shall be a standalone turnkey system, not a system comprised of several different pieces of equipment.
- The Base Station Simulator shall not be manufactured using components that are older than 5 years. A letter of commitment stating that replacement components shall be available for approximately 5 years from the time of purchase is required to be submitted with the bid.
- Training on how to use the equipment shall be available upon request.
- Inspection and acceptance of the Base Station Simulator shall be assessed by the Certification and Engineering Bureau (CEB). Should the Base Station Simulator not meet the satisfaction of the CEB, the CEB will have the right to reject it as identified in the SACC - General Conditions – Goods – 2010A 08 (2008-05-12) Inspection and acceptance of the Work .
- A 12 month warranty is required on items as identified in the SACC - General Conditions – Goods – 2010A 09 (2014-09-25) Warranty.
- The system shall include contact information for product support in the form of a website, email address and telephone number. The support shall be available for at least 2 years after purchase.

3.10.2 Calibration of Equipment

Specification requirement:

- All hardware components of the system shall be delivered with a certificate of calibration and data demonstrating compliance to all the manufacturers' specifications. The calibration shall be valid for at least 1 year after purchase.

3.10.3 Delivery and Brokerage

- Contract cost to include all delivery and brokerage charges, etc. FOB Industry Canada, Certification and Engineering Bureau, located at 3701 Carling Ave. bldg.# 94. Ottawa, Ontario, Canada K2H-8S2 (ph.# (613) 991-9311)

3.10.4 Safety Requirements

Specification requirement:

- The base station simulator system shall conform to the applicable CSA electrical standard and shall contain the appropriate CSA marking.

ANNEX "B"

PRICING SCHEDULE

All prices must be firm in Canadian dollars, Delivered Duty Paid (Ottaw, Ontario), Goods and Services Tax or the Harmonized Sales Tax extra.

1. EQUIPMENT

The bidder must provide a Firm Lot Price for the Base Station Simulator as per SOW.

FIRM LOT PRICE \$ _____

2. INSTALLATION & COMMISSIONING

The bidder must provide a Firm Lot Price for all costs, related to the installation and commissioning of the equipment, excluding travel and living expenses, as per SOW.

FIRM LOT PRICES _____

3. DOCUMENTATION

The bidder must provide a Firm lot price for all manual documentation packages as per SOW.

FIRM LOT PRICE \$ _____

TOTAL FIRM LOT PRICE \$ _____

4. OPTIONS

4.1 ON-SITE TRAINING

The bidder must provide a Firm Lot Price including travel and living expenses as per SOW.

FIRM LOT PRICE \$ _____

4.2 SERVICE SUPPORT

The bidder must provide a Firm Lot Price for service support for 2 years after purchase, as per SOW.

Year 1 - FIRM LOT PRICE \$ _____

Year 2 - FIRM LOT PRICE \$ _____

ANNEX "C"

MANDATORY REQUIREMENT COMPLIANCE MATRIX

Bid proposals must meet all of the mandatory requirements in order to be deemed compliant.

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
General Hardware Specifications				
3.1.1	Generator and Analyzer Frequency Range	The minimum frequency range shall be from 300 MHz to 6 GHz.		
Generator Specifications				
3.1.2.1	3.1.2.1 Maximum <i>RF Output Power</i>	The maximum RF output power over the frequency range of the system shall be greater than or equal to 0 dBm.		
3.1.2.2	3.1.2.2 Level Accuracy	The generator level accuracy over the entire frequency range of the system shall not exceed ± 2.5 dB.		
3.1.2.3	3.1.2.3 Amplitude Resolution	The amplitude resolution over the entire frequency range of the system shall not exceed 0.1 dB.		
3.1.2.4	3.1.2.4 Frequency Resolution	The frequency resolution over the entire frequency range of the system shall not exceed 100 kHz.		
Analyzer Specifications				
3.1.3.1	3.1.3.1 Maximum <i>RF Input Power</i>	The maximum RF input power over the entire frequency range of the system shall be greater than or equal to 25 dBm.		
3.1.3.2	3.1.3.2 Level Accuracy	The analyzer level accuracy over the entire frequency range of the system shall not exceed ± 1.5 dB.		
3.1.3.3	3.1.3.3 Amplitude Resolution	The amplitude resolution over the entire frequency range of the system shall not exceed 0.1 dB.		

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.1.3.4	3.1.3.4 Frequency Resolution	The frequency resolution over the entire frequency range of the system shall not exceed 100 kHz.		
Environmental Requirements				
3.2	3.2 Environmental Requirements:	<p>The manufacturer's minimum operating temperature range shall be between a minimum of 10 degrees Celsius to a maximum of 35 degrees Celsius.</p> <p>The maximum operating humidity shall be equal to or higher than 70%.</p>		
Connection Requirements				
3.3	3.3 Connection Requirements:	<p>The RF test port connector shall be either an N-type connector or an SMA connector.</p> <p>The impedance of the RF test port connector shall be 50 ohms.</p> <p>The equipment shall have a Voltage Standing Wave Ratio (VSWR) specification no greater than 2.0 over the entire frequency range of the system</p> <p>The AC power input connection shall be 120Vac</p> <p>The equipment shall be equipped with an Ethernet (LAN) interface port for remote automation capability and at least one USB port.</p>		
User Interface				
3.4	3.4 User Interface:	The base station simulator system shall include a user interface embedded in the equipment. The user interface shall be a visual screen display with either tactile user controls embedded in the system or a touch screen embedded in the system.		
Test Subscriber Identity Module (SIM) Card				
3.5.1	3.5.1 Micro/Mini Size Test Subscriber Identity Module (SIM) Card	A Mini or Micro size test SIM card which is designed to be inserted in a Device Under Test (DUT) to be used with the base station simulator for signalling communications in supported wireless technologies. The hardware must be an OEM product and can't be substituted.		

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.5.2	3.5.2 Nano Size Test Subscriber Identity Module (SIM) Card	A nano size test SIM card which is designed to be inserted in a DUT to be used with the base station simulator for signalling communications in supported wireless technologies. The hardware must be an OEM product and can't be substituted.		
Legacy Wireless Technology Specifications				
3.6.1	3.6.1 GSM / GPRS and EDGE Specifications	<p>The base station simulator shall be capable of loopback testing in GSM, GPRS and EDGE technologies.</p> <p>The base station simulator shall contain all necessary hardware for testing in GSM, GPRS and EDGE technologies.</p> <p>The base station simulator shall contain all necessary software for measuring basic functionality which includes, as a minimum DUT transmit power in GSM, GPRS and EDGE technologies.</p>		
3.6.2	3.6.2 WCDMA / HSPA / HSPA+ Specifications	<p>The base station simulator shall be capable of loopback testing in 3GPP WCDMA Release 99, Release 5 (HSDPA), Release 6 (HSUPA), Release 7 (HSPA+), Release 8 (DC-HSDPA) and Release 9 (DC-HSUPA) technologies.</p> <p>The base station simulator shall contain all necessary hardware for testing in 3GPP WCDMA Release 99, Release 5 (HSDPA), Release 6 (HSUPA), Release 7 (HSPA+), Release 8 (DC-HSDPA) and Release 9 (DC-HSUPA) technologies.</p> <p>The base station simulator shall contain all necessary software for measuring basic functionality which includes, as a minimum DUT transmit power in 3GPP WCDMA Release 99, Release 5 (HSDPA), Release 6 (HSUPA), Release 7 (HSPA+), Release 8 (DC-HSDPA) and Release 9 (DC-HSUPA) technologies.</p>		
LTE Specifications				

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.7.1	3.7.1LTE Release 8 <i>FDD</i>	<p>The LTE portion of the base station simulator system shall be capable of LTE Release 8 Frequency Division Duplexing (FDD) in loopback, signalling or network conditions.</p> <p>The LTE portion of the base station simulator system shall contain all hardware required for LTE Release 8 Frequency Division Duplexing (FDD) in loopback, signalling or network conditions.</p> <p>The LTE portion of the base station simulator system shall contain all software for measurement of conditions which includes, as a minimum DUT transmit power for LTE Release 8 Frequency Division Duplexing (FDD) in loopback, signalling or network conditions.</p>		
3.7.2	3.7.2LTE Release 10 <i>FDD</i>	<p>The LTE portion of the base station simulator system shall be capable of LTE Release 10 Carrier Aggregation (CA) in loopback, signalling or network conditions.</p> <p>The LTE portion of the base station simulator system shall contain all hardware required for LTE Release 10 Carrier Aggregation (CA) in loopback, signalling or network conditions.</p> <p>The LTE portion of the base station simulator system shall contain all software required for measuring conditions which includes, as a minimum DUT transmit power for LTE Release 10 Carrier Aggregation (CA) in loopback, signalling or network conditions.</p>		

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.7.3	3.7.3LTE Release 11 FDD	<p>The LTE portion of the base station simulator system shall be capable of LTE Release 11 Carrier Aggregation (CA) in loopback, signalling or network conditions.</p> <p>The LTE portion of the base station simulator system shall contain all hardware required for LTE Release 11 Carrier Aggregation (CA) in loopback, signalling or network conditions.</p> <p>The LTE portion of the base station simulator system shall contain all software required for measuring conditions which includes, as a minimum DUT transmit power for LTE Release 11 Carrier Aggregation (CA) in loopback, signalling or network conditions.</p>		
3.7.4	3.7.4LTE Bands	The LTE portion of the base station simulator system shall be capable of testing at a minimum Bands 2, 4, 5, 7, 12, 13, 14, 17, 25 and 66. Bandwidths available for testing based on allowed band options shall include 1.4, 3, 5, 10, 15 and 20 MHz.		
3.7.5	3.7.5LTE Standard Compliance	The LTE portion of the base station simulator system shall at a minimum be capable of communications with DUTs conforming to the 3GPP standard TS 36.521 Release 8, Release 10 and Release 11. Compatibility with more recent releases of the aforementioned standard, if any at time of procurement, shall be considered an asset.		

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.7.6	3.7.6 Technology, Modulation and Resource Block (RB)	The LTE portion of the base station simulator system shall be capable of providing all necessary configuration options to the end user for modulations which includes, as a minimum QPSK, 16QAM, 64-QAM and necessary 1, 50% and 100% Resource Block (RB) allocations. As a minimum, the following reference document shall be used to determine the required settings: the most recent version of the Federal Communications Commission (FCC) Knowledge Database (KDB) 941225 D05 SAR for LTE Devices (current version v02r05) "SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES"		
3.7.7	3.7.7 LTE Single In Single Out (SISO):	<p>The base station simulator shall be capable of performing stable SISO loopback communications in all applicable LTE modes.</p> <p>The base station simulator shall contain all hardware required for performing stable SISO loopback communications in all applicable LTE modes.</p> <p>The base station simulator shall contain all software required for measurements of basic tests which includes, as a minimum DUT transmit power in stable SISO loopback communications in all applicable LTE modes.</p>		

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.7.8	3.7.8 Multiple In Multiple Out (MIMO):	<p>The base station simulator shall be capable of performing stable MIMO loopback communications for LTE. The minimum requirement shall be MIMO communications in a 2x2 configuration for LTE in Frequency Division Duplexing (FDD) mode. All supporting software to ensure MIMO 2x2 functionality in a signalling, network or loopback condition shall be included with the system.</p> <p>The base station simulator shall contain all hardware required for performing stable MIMO loopback communications in all applicable LTE modes.</p> <p>The base station simulator shall contain all software required for measurements of basic tests which includes, as a minimum DUT transmit power in stable MIMO loopback communications in all applicable LTE modes.</p>		
3.7.9	3.7.9 LTE-U Capability	<p>The base station simulator shall be capable of performing stable loopback communications for Unlicensed LTE (LTE-U) at the required frequency bands.</p> <p>The base station simulator shall contain all hardware required for performing stable LTE-U loopback communications in all applicable LTE modes.</p> <p>The base station simulator shall contain all software required for measurements of basic tests which includes, as a minimum DUT transmit power in stable LTE-U loopback communications in all applicable LTE modes.</p>		

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.7.10	3.7.10LTE Data-specific Specifications	<p>The base station simulator shall be capable of performing stable data-specific LTE testing at the required frequency bands.</p> <p>The base station simulator shall contain all hardware required for performing stable LTE data-specific testing in all applicable LTE modes.</p> <p>The base station simulator shall contain all software required for maintaining LTE data-specific testing in all applicable LTE modes. LTE data-specific measurement software is not required, but will be considered an asset.</p>		
Software Specifications				
3.8.1	3.8.1Software License	Any software shall not require a yearly software licensing fee.		
Interoperability Specifications				
3.9.1	3.9.1Interoperability with SPEAG cDASY6	The base station simulator shall be interoperable with the SPEAG cDASY6 software used by the CEB's SPEAG DASY SAR system.		
3.9.2	3.9.2Interoperability with SPEAG cSAR3d	The base station simulator shall be interoperable with the SPEAG cSAR3d software used by the CEB's SPEAG cSAR3d fast SAR system.		
General Specifications				

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.10.1	<i>3.10.1 Quality and Service</i>	<p>The manufacturer of the Base Station Simulator shall have at least 10 years' experience manufacturing electronic test equipment.</p> <p>The Base Station Simulator shall be a standalone turnkey system, not a system comprised of several different pieces of equipment.</p> <p>The Base Station Simulator shall not be manufactured using components that are older than 5 years. A letter of commitment stating that replacement components shall be available for approximately 5 years from the time of purchase is required to be submitted with the bid.</p> <p>Training on how to use the equipment shall be available upon request</p> <p>Inspection and acceptance of the Base Station Simulator shall be assessed by the Certification and Engineering Bureau (CEB). Should the Base Station Simulator not meet the satisfaction of the CEB, the CEB will have the right to reject it as identified in the SACC - General Conditions – Goods – 2010A 08 (2008-05-12) Inspection and acceptance of the Work .</p> <p>A 12 month warranty is required on items as identified in the SACC - General Conditions – Goods – 2010A 09 (2014-09-25) Warranty.</p> <p>The system shall include contact information for product support in the form of a website, email address and telephone number. The support shall be available for at least 2 years after purchase.</p>		
3.10.2	<i>3.10.2 Calibration of Equipment</i>	<p>All hardware components of the system shall be delivered with a certificate of calibration and data demonstrating compliance to all the manufacturers' specifications. The calibration shall be valid for at least 1 year after purchase.</p>		

Solicitation No. - N° de l'invitation
U4030-175171/A
Client Ref. No. - N° de réf. du client
U4030-175171

Amd. No. - N° de la modif.
File No. - N° du dossier
hn445U4030-175171

Buyer ID - Id de l'acheteur
hn445
CCC No./N° CCC - FMS No./N° VME

Item	Title	Description	Proof of Compliance	COMPLIANT – YES or NO?
3.10.3	3.10.3 <i>Delivery and Brokerage</i>	Contract cost to include all delivery and brokerage charges, etc. FOB Industry Canada, Certification and Engineering Bureau, located at 3701 Carling Ave. bldg.# 94. Ottawa, Ontario, Canada K2H-8S2 (ph.# (613) 991-9311)		
3.10.4	3.10.4 <i>Safety Requirements</i>	The base station simulator system shall conform to the applicable CSA electrical standard and shall contain the appropriate CSA marking.		